Activity 9  
Cushioning Collisions

Goals…

* Apply the concept of impulse in the analysis of automobile collisions
* Use a force probe/motion sensor to measure force and velocity
* Compare the momentum of a model vehicle before the collision with the impulse applied during the collision
* Explore ways of using cushions to increase the time that a force acts during a primary collision

For You To Read Key Points To Learn

* Momentum is p = mv
* Change in momentum = Δp = mΔv
* Impulse is change in momentum: FΔt =mΔv

What you learned today:

* + For a Click here to enter text. momentum to change in a short time, a Click here to enter text. force is required
  + Click here to enter text. ribs or Click here to enter text. bones often result
  + Be sure to include momentum and impulse in your chapter challenge report
    - Click here to enter text.